



HEXLIGHTSx

PRODUCT DESCRIPTION:

The 70-µm, very high-performance, cast *HEXLIGHTS* films are coated with a pressure-sensitive, solvent-based acrylic adhesive. Structured adhesive for faster application and air evacuation. Specially designed for headlight and taillight tinting of vehicles. Tints: available in glossy, transparent, light or dark black.

FILM FEATURES:

• Thickness	(Indicative value) 70 µm (2.8 mil)	
• Tensile strength	(Average values) min. 15 N/25 mm	Method HEXNFX41021
• Elongation at break	(Average values) min. 100 %	Method HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F)	(Average values) < 0.4 mm	Method HEXRET001

LINER:

- 100-µm, embossed, silicone-coated PET liner.
- Stable under hygrometric variations

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

• Peel strength test at 180°; Measurement support glass	(Average values)	Method
after 20 minutes of application	12 N/25 mm	HEXFMT001
after 24 hours of application	(Average values) 13 N/25 mm	Method HEXFMT001
• Initial tack	(Average values) 17 N/25 mm	Method HEXFMT009
• Release	(Average values) 0.3 N/25 mm	Method HEXFMT003

ADHESIVE:

- Solvent-based adhesive.
- Immediate and permanent adhesion, optimal after 24 hours of contact.

USER'S INSTRUCTIONS:

- Dry application method

It is mandatory to use the so-called «dry» application method with this film, due to its HEX'PRESS liner. This technology means you can easily reposition the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.

- Recommended minimum application temperature: +15 °C (+59 °F) Apply preferably between 20 °C and 25 °C (+68 °F and +95 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
 - Conformable product, suitable for devices on wheels and vehicles only.
 - Apply to a surface that is clean and free from any traces of contaminants (dust, grease, wax, silicone, etc.).

Particular care must be taken to clean the angles and periphery of the target surfaces in order to allow the film to adhere properly to the surface.



- Only apply to an undamaged substrate.

If the substrate is damaged, the application and the removal are at the judgement and risk of the installer.

Caution: The HEXLIGHTS films are intended to be applied to exhibition vehicles or vehicles used on off-road terrains not suitable for public traffic (e.g. private lanes, circuits, etc.).

It is recommended to enquire about the current legislation in the country of use prior to any appearance modification of the vehicle's lighting and warning devices for applications other than those stated above. HEXIS cannot be held liable for any non-compliance with the current legislation of the country of use.

OPERATING RECOMMENDATIONS:

- To facilitate application, HEXIS have several types of squeegees in their range of accessories, ranging from softer to harder (plastic or felt).
- For more information on the application method of the HEXLIGHTS film, please refer to its Application Guide available under the «Professionals» heading, in the «Solar and safety films» category on our website www.hexis-graphics.com.

STORAGE:



Storage period before use
2 years



Relative humidity during storage
with relative humidity between 30 % and 70 %



Storage temperature
+15 °C to +25 °C (+59 °F to +77 °F)



Storage method before use
in its unopened original packaging

DURABILITY: Central European climate

- Vertical exposure, Central European climate: up to 7 years (under normal road use conditions).
- Lifespan depends on the type of substrate, substrate preparation, exposure conditions and nature and frequency of the cleaning.
- *For instance, it is estimated that a south-facing exposure (in the northern hemisphere) will divide the durability by two. The same applies to a horizontal exposure. In addition, elevated temperatures (above +50 °C) (+122 °F) or pollution significantly reduce this durability.*

NOTES:

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application. The measuring methods for the standards quoted above served as the basis for the development of our own measuring methods, which are available on request. Please feel free to contact us to get the latest instructions in use. All of the published information is based on measurements regularly performed in the laboratory. The published information does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website www.hexis-graphics.com.